

Proceedings of

16th International Conference and Exhibition on

PHARMACEUTICS & NOVEL DRUG DELIVERY SYSTEMS

March 19-21, 2018 | Berlin, Germany

Exhibitor



Conference Series - UK

Kemp House, 152 City Road, London EC1V 2NX, UK

Toll Free: +1-800-014-8923

Zieten

conference**series.com** 08:30-08:45

Opening Ceremony

Keynote Forum

08:45-09:00 Introduction

Title: Stimuli-sensitive nanopreparations for multidrug resistant cancer

09:00-09:35

Vladimir P Torchilin, Northeastern University, USA

09:35-10:10

Title: Therapeutics delivery behind, through and beyond the blood brain barrier

Alain L Fymat, International Institute of Medicine and Science, USA

10:10-10:45

Title: Human growth hormone–single-chain Fc-dimer fusion protein

Wei-Chiang Shen, University of Southern California, USA

Group Photo 10:45-10:50

Networking and Refreshments Break 10:50-11:10 @ Foyer

Sessions: Nanomedicine and Nanotechnology | Smart Drug Delivery Systems | 2D & 3D Printing in Drug Delivery

Session Chair: Vladimir P Torchilin, Northeastern University, USA

Session Chair: Wei-Chiang Shen, University of Southern California, USA

Session Introduction

11:10-11:35

Title: Nanoparticles for hepatoprotection against anticancer drugs

Mikhail Durymanov, South Dakota State University, USA

11:35-12:00

Title: Drug delivery to skin by nanotechnology-based drug delivery systems

Fiorenza Rancan, Charité – Universitätsmedizin Berlin, Germany

12:00-12:25

Title: 'Personalised pills' by FDM 3D printing: Challenges and potential

Sheng Qi, University of East Anglia, UK

12:25-12:50

Title: Redox potential sensitive smart nanopreparations for drug and siRNA delivery in cancer

N.Basaran Mutlu Agardan, Gazi University, Turkey

Lunch Break 12:50-13:50 @ Theodor's Restaurant

Sessions: Pre-Formulation & Formulation Aspects | Drug Targeting and Design | Pharmaceutical Nanotechnology

13:50-14:15

Title: Poly (2-ethyl-2-oxazoline) as an alternative to poly (vinylpyrrolidone) in solid dispersions for solubility and dissolution rate enhancement of drugs

Hanan Fael, Koç University, Turkey

14:15-14:40

Title: Chemical derivatives of Cm-p5, a mollusc-derived peptide, enhanced its antifungal properties and improved significantly its antibacterial activity *in vitro*

Anselmo J Otero-Gonzalez, University of Havana, Cuba

14:40-15:05

Title: Design of nanosized drug delivery materials: Determinant biophysical aspects for patient oriented nanotherapy

Fabiola Porta, University of Basel, Switzerland

15:05-15:30

Title: Treatment of extrapyramidal symptoms in patients treated with antipsychotic drugs

Felix-Martin Werner, Euro Academy Pößneck, Germany

Networking and Refreshments Break 15:30-15:50 @ Foyer

Sessions: Drug Delivery Technologies | Pharmaceutical Nanotechnology

- 15:50-16:15** **Title: Diclofenac- β -cyclodextrin for colonic drug targeting: From synthesis to *in vivo* performance in rats**
Amélia C F Vieira, University of Coimbra, Portugal
- 16:15-16:40** **Title: Nanocoating of drug powders and minitablets with atomic layer deposition**
Anne M Juppó, University of Helsinki, Finland
- 16:40-17:05** **Title: Self-sacrificial metal-organic hybrid materials for controlled release of bisphosphonate osteoporosis drugs**
Kostas D Demadis, University of Crete, Greece
- 17:05-17:30** **Title: Haloxylon as an alternative nanoscience medicine in treatment of cancer**
Ali Awad Hamoud Al-jeboory, Uruk University, Iraq

Panel Discussion

Day 2 March 20, 2018

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Keynote Forum

- 10:00-10:35** **Title: Microneedles: The future of painless drug delivery systems**
Hyungil Jung, Yonsei University, South Korea
- 10:35-11:10** **Title: Smart, programmable and responsive injectable hydrogels for controlled release of cargo osteoporosis drugs**
Kostas D Demadis, University of Crete, Greece

Networking and Refreshments Break 11:10-11:30 @ Foyer

Sessions: Nanoparticulate Drug Delivery Systems

Session Chair: Hyungil Jung, Yonsei University, South Korea

Session Chair: Kostas D. Demadis, University of Crete, Greece

Session Introduction

- 11:30-11:55** **Title: Peptide-modified micelles and liposomes: Carriers for xenon hyper-CEST MRI of blood brain barrier endothelial cells**
Margitta Dathe, Leibniz-Forschungsinstitut für Molekulare Pharmakologie, Germany
- 11:55-12:20** **Title: Transfersomes as novel carriers for sustained buccal delivery of local anaesthetic**
Ruba Bnyan, Liverpool John Moores University, UK
- 12:20-12:45** **Title: Direct polymerization of the novel arsenic drug PENAO to obtain polymeric nanoparticles for the treatment of sarcoma**
Janina-Miriam Noy, The University of New South Wales, Australia

Lunch Break 12:45-13:45 @ Theodor's Restaurant

Poster Presentations @ 13:45-14:45 @ Meeting Rooms

Poster Judge: Wei-Chiang Shen, University of Southern California, USA

Poster Judge: Hyungil Jung, Yonsei University, South Korea

- PNDDS01** **Title: Preparation and testing of cefquinome-loaded poly lactic-co-glycolic acid microspheres for lung targeting**
Zhihui Hao, Qingdao Agricultural University, China
- PNDDS02** **Title: Effects of pidotimod soluble powder and immune enhancement of Newcastle disease vaccine in chickens**
Zhihui Hao, Qingdao Agricultural University, China
- PNDDS03** **Title: Specific antibody fragments acting as FGF1 ligand traps that block FGFR signaling**
Julia Chudzian, University of Wroclaw, Poland
- PNDDS04** **Title: Production of site-specific cytotoxic-FGF2 conjugates with α -amanitin**
Karolina Świdarska, University of Wroclaw, Poland

- PNDDS05** **Title: Selection of FGF1 binding peptides from cyclic C7C Phage Display Library, which shows potential inhibition of FGF1-FGFR1 interaction**
Magdalena Lipok, University of Wroclaw, Poland
- PNDDS06** **Title: Microencapsulation of vitamin B1 by spray-drying: Preparation, characterization and controlled release studies**
Ioana C Carlan, University of Porto, Portugal
- PNDDS07** **Title: Cutaneous drug delivery system: Drug delivery characteristics by microneedle structure**
Jung Dong Kim, Raphas Co., Ltd., South Korea
- PNDDS08** **Title: The effect of polysulfide-conjugation on the stability and activity of lysozyme**
Farah El Mohtadi, University of Manchester, UK
- PNDDS09** **Title: Development of amphotericin B-double loaded liposomes using Design of Experiment (DoE)**
N Basaran Mutlu Agardan, Gazi University, Turkey
- PNDDS10** **Title: Silica nanopores as nanocontainers for cisplatin: Molecular dynamics study of a targeted drug delivery system**
Marjan A Nejad, University of Kaiserslautern, Germany
- PNDDS11** **Title: Monitoring effects of uniaxial compression on pharmaceutical granules**
Saleh Mohammed Saeed Alamri, Prince Sultan Military Medical City, Saudi Arabia
- PNDDS12** **Title: *Salvia Hispanica* L as brain super food – how seeds boost your intelligence**
Peter Onneken, Institute of Diet and Health, Germany

Sessions: Nanoparticulate Drug Delivery Systems

- 14:45-15:10** **Title: Paclitaxel release from magnetite crosslinked polypropylene fumarate nanoparticles**
Ilayda Acaroglu Degitz, Yeditepe University, Turkey
- 15:10-15:35** **Title: Cell targeting small peptides as smart ligands for targeted drug delivery**
Hassan Bardania, Yasuj University of Medical Sciences, Iran
- 15:35-16:00** **Title: Synthesis and characterization of chitosan nanoparticles in the pharmaceutical application**
F Damiri, University Hassan II of Casablanca, Morocco

Networking and Refreshments Break 16:00-16:20 @ Foyer

Sessions: Nanoparticulate Drug Delivery Systems | Biomedicine and Pharmacotherapy | Pharmaceutical Nanotechnology | Nanomedicine and Nanotechnology

- 16:20-16:45** **Title: Thermoresponsive lipid nanoparticles for breast cancer and glioblastoma targeting**
Mubashar Rehman, The University of Lahore, Pakistan
- 16:45-17:10** **Title: Antioxydant and anti-inflammatory effects of optimized combination of essential oils from Cameroon grown *Ocimum***
Hzounda Fokou Jean Baptiste, Université Cheikh Anta Diop de Dakar, Sénégal
- 17:10-17:35** **Title: Shikonin loaded nano-fiber with natural and callus culture resources**
Reza Tahvilian, Kermanshah University of Medical Sciences, Iran
- 17:35-18:00** **Title: Study of relationship and effects of nano technology on cancer therapy**
Behnoud Hormozi, Islamic Azad University, Iran

Panel Discussion

Day 3 March 21, 2018

Extended Networking & Lunch 12:30-13:30 @ Theodor's Restaurant